

To: Croxton, Dave[Croxton.David@epa.gov]
Cc: Cope, Ben[Cope.Ben@epa.gov]; Owens, Kim[Owens.Kim@epa.gov]
From: Rueda, Helen
Sent: Thur 1/23/2014 4:14:38 PM
Subject: Pend Oreille Update

Over the holidays Dave and I had a conference call with Melissa Guildersleeve and Jim Bellatty at Ecology. Melissa wanted more information about what our next meeting with them was going to be about before she determined who from Ecology should attend. Jim stressed to us how much Ecology would like to see this project completed, it is holding up their re-issuance of permits. One outcome of the discussion was that I contact Tony Whiley and talk about the excursions that we saw at the reservation upstream boundary when we used a day to day comparison where there was no evidence of time lag. Yesterday I talked to Tony.

Tony said that sometimes the time lag was a matter of hours instead of days. Given that I only have daily maximum data I would not be able to evaluate this. He also said that the reach upstream of the reservation was affected by an oxbow, which is dry in the no dam scenario and fills up a bit in the dams in place scenario. Because it is shallow and flow is slow the temperature increases. The increases in temperature are anomalous to this reach, reaches are cooler both upstream and downstream. He argues that this was not a temperature increase due to the dam, I think that could be debated. He said this also masked and distorted the time lag effects in the reach.

Well we went over many things that have been discussed before too, but he did ask whether we had checked with the Corps on the modeling they had done for the Kalispel's on the Albeni Falls reach. Since we have heard nothing from the Tribe about this it might be good to check in on it. I have heard that Kent Easthouse is no longer the Corps contact person on that dam, but I don't know who is. I will try to check this out.

Ben – could you call the Corps modeler? I am forgetting his name after all this time I think of him as Mike the fog man. Maybe he knows about this modeling work.

Dave –Do you want me to wait on a doodle poll for the Ecology meeting until you have touched base with Melissa? Tony thought that he and Melissa and Susan Braley should attend. I am wondering whether to include their Office of Water Director.

Helen Rueda
Environmental Engineer
Oregon Operations Office
Region 10 EPA
805 SW Broadway, Suite 500
Portland, OR 97205
(503) 326-3280